



## **C & O Canal**

### **Team Estimation & Analysis Facts Clues**

When the C & O Canal reached Cumberland in the year 1850, the final cost for construction was \$\_\_\_\_\_.

A trip up or down the canal took about one week, depending on weather. In a typical year, a boat made approximately \_\_\_\_\_ trips.

The C & O Canal was built mainly with hand tools and horse power. It took \_\_\_\_ years to build the canal.

The C & O Canal offered many families the chance to provide income for themselves. In peak operating years, \_\_\_\_\_ boats operated on the canal.

A person taking a relaxed stroll walks about 2 miles in one hour. A boat traveling down the C & O Canal typically traveled about \_\_\_\_ miles in one hour.



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### **Team Estimation & Analysis Facts Clues**

#### **Clue Set 1:**

- 4/5 of the facts are even numbers.
- There are two numbers greater than 100.
- One fact is less than 10.

#### **Clue Set 2:**

- The numbers less than 100 are not greater than 50.
- Two facts have a 2 as one of the digits in the number.
- The two whole numbers greater than 100 are both multiples of 2, 5, and 10.

#### **Clue Set 3:**

- The cost of the C & O Canal was  $10,000,000 + 4,000,000 + 000,000 + 00,000 + 0,000 + 000 + 00 + 0$ .
- The number of trips a boat took during a year is the area of a square with sides that measure 5 units.
- The number of years that it took to build the C & O Canal is 11 doubled.
- The number of boats that operated on the C & O Canal is the quotient of 2,400 and 3. .
- The speed most boats traveled on the C & O Canal is the number of feet in 48 inches.



# Team Estimation & Analysis

<b><i>Facts</i></b>	<b><i>Initial Clue</i></b>	<b><i>1<sup>st</sup> Set of Clues</i></b>	<b><i>2<sup>nd</sup> Set of Clues</i></b>	<b><i>Final Clue</i></b>
<i>When the C and O Canal reached Cumberland in the year 1850, the final cost was \$_____.</i>				
<i>A trip up or down the C &amp; O Canal took about one week, depending on weather. In a typical year, a boat made approximately _____ trips.</i>				
<i>The C &amp; O Canal was built mainly with hand tools and horse power. It took ____ years to build the canal.</i>				
<i>The C &amp; O Canal offered many families the chance to provide income for themselves. In peak operating years, _____ boats operated on the canal.</i>				
<i>A person taking a relaxed stroll walks about 2 miles in one hour. A boat traveling down the C &amp; O Canal typically traveled about ____ miles in one hour.</i>				



## **C & O Canal Team Estimation & Analysis Facts Clues Answer Key**

When the C & O Canal reached Cumberland in the year 1850, the final cost was \$ 14, 000,000.

A trip up or down the C & O Canal took about one week, depending on weather. In a typical year, a boat made approximately 25 trips.

The C & O Canal was built mainly with hand tools and horse power. It took 22 years to build the canal.

The C & O Canal offered many families the chance to provide income for themselves. In peak operating years, 800 boats operated on the canal.

A person taking a relaxed stroll walks about 2 miles in one hour. A boat traveling down the C & O Canal typically traveled about 4 miles in one hour.